Project ID	DIP085		
Long Title	Sciurus		
Short Title			
Keywords	Small-scale; Multi-sector/Grid; Electricity; Transport; Virtual Power Plant; Vehicle-to-Grid; Electric & Hybrid Vehicles; Smart Transport Networks; Transport System Enablers; Energy Strategy Development;		
Location (Town, Region, Country)	Bristol		England
Latitude and Longitude	51.45N	2.58W	
OSGB code	ST 595 725		
Status	Ongoing		
Start Date	2018		
End Date	2020		
Description	The Sciurus project will develop and deploy a large number of V2G chargers units with participants who own/lease a Nissan Leaf EV. It will also include the development of a grid balancing platform to provide electrical support to grid operators during peak energy demand times. Furthermore, it will explore and test commercial propositions to identify a viable long-term business model. Finally, consumer behaviour and receptiveness will be measured to provide insights into EV owners' attitudes and their response to V2G products and services. The project seeks to: demonstrate that V2G technology works at a residential level; prove the business case of residential customers participating and benefiting from V2G service provision; and demonstrate the value of V2G to vehicle manufacturers. This project brings together a unique consortium, highly skilled in their respective sectors, to deliver a first-of-a-kind large-scale demo of a truly innovative V2G proposition, with national and global exploitation potential. The partners will develop and build technologies in the UK, establish a UK supply chain and secure the position of the UK in this rapidly growing market. The market for aggregated V2G chargers providing flexibility services is currently immature, but evolution is rapid and demand is strong, a highly competitive market is expected to develop.		
Sectors	Transport		
Funding Sources	InnovateUK		
Budget £	£4.77 million		
Partners	OVO Energy, CENEX, Indra Renewable Technologies, Nissan Motor (GB), OVO Technology		
Energy vectors	Electricity, Transport		
Scale (lab/site	Small		

/small/community/region/national)	
Technologies demonstrated	EV charging, vehicle-to-grid
Economic models demonstrated	Virtual power plant/market aggregation, grid services, new commercial models
Other concepts demonstrated	Consumer impact analysis
Industry engagement	
Consumer engagement	
Project Reports (incl. links)	
Datasets (incl. links)	
Website/social media	http://www.v2g.co.uk/
Information sources	https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/681321/Innovation_in_Vehicle-To-Grid__V2G__Systems_-_Real-World_Demonstrators_-_Competition_Results.pdf